



## A simple method for estimating excess mortality due to heat waves, as applied to the 2006 California heat wave

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### Abstract:

**OBJECTIVES:** To characterize excess mortality during a major heat wave in California and its regions; to assess the validity of a simple method. **METHODS:** We calculated mortality rate ratios for the heat-wave period, using a reference period of the same number of days from the same summer. We conducted alternative analyses and compared our results with those from a time-series model. **RESULTS:** We estimated 655 excess deaths, a 6% increase (95% confidence interval, 3-9%), impacting varied geographic/climate regions. Alternate analyses supported model validity. **CONCLUSIONS:** California experienced excess heat-wave related mortality not restricted to high heat regions. As climate change is anticipated to increase heat events, public health efforts to monitor effects assume greater importance.

**Source:** <http://dx.doi.org/10.1007/s00038-009-0060-8>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Temperature

**Temperature:** Extreme Heat

#### Geographic Feature:

resource focuses on specific type of geography

Desert, Rural, Urban

#### Geographic Location:

resource focuses on specific location

United States

#### Health Impact:

specification of health effect or disease related to climate change exposure

Morbidity/Mortality

#### Resource Type:

# Climate Change and Human Health Literature Portal



format or standard characteristic of resource

Research Article, Research Article

**Timescale:** 

time period studied

Time Scale Unspecified